



200 & 300 SERIES

Service and Installation Manual

Please read this manual completely before attempting to install or operate this equipment!
Notify carrier of damage! Inspect all components immediately.



Drop In and Undercounter Products



CAUTION

**Important Information
Read Before Use
Please Save These Instructions!**

February 2013



Important Warning And Safety Information



WARNING

Read This Manual Thoroughly Before Operating, Installing, Or Performing Maintenance On The Equipment.



WARNING

Failure To Follow Instructions In This Manual Can Cause Property Damage, Injury Or Death.



WARNING

Do Not Store Or Use Gasoline Or Other Flammable Vapors Or Liquids In The Vicinity Of This Or Any Other Appliance.



WARNING

Unless All Cover And Access Panels Are In Place And Properly Secured, Do Not Operate This Equipment.



WARNING

This Appliance Is Not Intended For Use By Persons Who Lack Experience Or Knowledge, Unless They Have Been Given Supervision Or Instruction Concerning Use Of The Appliance By A Person Responsible For Their Safety.



WARNING

This Appliance Is Not To Be Played With.



WARNING

Do Not Clean With Water Jet.



WARNING

Do Not Use Electrical Appliances Inside The Food Storage Compartment Of This Appliance.



CAUTION

Observe the following:

- Minimum clearances must be maintained from all walls and combustible materials.
- Keep the equipment area free and clear of combustible material.
- Allow adequate clearance for air openings.
- Operate equipment only on the type of electricity indicated on the specification plate.
- Unplug the unit before making any repairs.
- Retain this manual for future reference.

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Receiving And Inspecting The Equipment

Even though most equipment is shipped packaged, care should be taken during unloading so the equipment is not damaged while being moved into the building.

1. Visually inspect the exterior of the package and skid or container. Any damage should be noted and reported to the delivering carrier immediately.
2. If damaged, open and inspect the contents with the carrier.
3. In the event that the exterior is not damaged, yet upon opening, there is concealed damage to the equipment

notify the carrier. Notification should be made verbally as well as in written form.

4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days from receipt of the equipment.
5. Visually inspect the refrigeration package. Be sure lines are secure and base is still intact.
6. Freight carriers can supply the necessary damage forms upon request.
7. Retain all crating material until an inspection has been made or waived.

Serial Number Information

Models	Serial Tag Location
N225, N227	On the compressor stand next to the temperature control
203, 204, 204P, 248, 250, 305	On the bottom of the ice chests
240	On the back
242	On the bottom of the sink
307	Underneath the top

Always have the serial number of your unit available when calling for parts or service.

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Warranty Information

Visit http://www.delfield.com/minisite/service/warranty_info to:

- Register your product for warranty.
- Verify warranty information.
- View and download a copy of your warranty.

Regulatory Certifications

All Models are certified by:



National Sanitation Foundation (NSF)

Electrical models are also certified by:



Underwriters Laboratories (UL)

Underwriters Laboratories of Canada (ULC)

Specifications

MODEL	L	D	H	SHIP WEIGHT	CUTOUT SIZE	CABINET CAPACITY	H.P.	AMP	VOLT	NEMA PLUG	DESIGN LOAD BTU	SYSTEM CAP. BTU	EVAP BTU/TD/TEMP
DROP-IN FREEZERS													
N225	16.56" (42.1cm)	27.87" (70.8cm)	26.75" (67.9cm)	115lbs (52kg)	25.75" x 14.62" (65.4cm x 37.1cm)	6 gal.	1/5	5.3	115	5-15P	292	411	20/20°/-23°
N227	30" (76.2cm)	27.87" (70.8cm)	26.75" (67.9cm)	191lbs (87kg)	25.75" x 28.00" (65.4cm x 71.1cm)	12 gal.	1/5	5.3	115	5-15P	473	532	28/19°/-22
DROP-IN FREEZERS WITH LEXAN® LID													
N225L	16.56" (42.1cm)	27.87" (70.8cm)	26.75" (67.9cm)	115lbs (52kg)	25.75" x 14.62" (65.4cm x 37.1cm)	6 gal.	1/5	5.3	115	5-15P	292	411	20/20°/-23°
N227L	30" (76.2cm)	27.87" (70.8cm)	26.75" (67.9cm)	191lbs (87kg)	25.75" x 28.00" (65.4cm x 71.1cm)	12 gal.	1/5	5.3	115	5-15P	473	532	28/19°/-22
DROP-IN WATER STATIONS AND ICE STORAGE													
203	ice chest	20.25" (51.4cm)	20.25" (51.4cm)	23.25" (59.1cm)	52lbs (24kg)	19.25" x 19.25" (48.9cm x 48.9cm)	90lbs (41kg)	N/A	N/A	N/A	N/A	N/A	N/A
204	water and ice station	24" (61.0cm)	21" (53.3cm)	23.5" (59.1cm)	47.5lbs (22kg)	21" x 17.75" (53.3cm x 45.1cm)	45lbs (20kg)	N/A	N/A	N/A	N/A	N/A	N/A
204P	water and ice station	24" (61.0cm)	21" (53.3cm)	27" (68.6cm)	47.5lbs (22kg)	21" x 17.75" (53.3cm x 45.1cm)	45lbs (20kg)	N/A	N/A	N/A	N/A	N/A	N/A
240	ice chest with cover	21" (53.3cm)	17.5" (44.5cm)	17" (43.2cm)	36lbs (16kg)	—	75lbs (34kg)	N/A	N/A	N/A	N/A	N/A	N/A
248	water and ice station	31" (78.7cm)	15" (38.1cm)	22.5" (57.2cm)	28lbs (13kg)	28" x 12.5" (71.1cm x 31.8cm)	45lbs (20kg)	N/A	N/A	N/A	N/A	N/A	N/A
305	ice chest with cover	21.25" (54.0cm)	15.25" (38.7cm)	13" (33.0cm)	18lbs (8kg)	12.5" x 17.75" (31.8cm x 45.1cm)	45lbs (20kg)	N/A	N/A	N/A	N/A	N/A	N/A
307	glass filler	12" (30.5cm)	12" (30.5cm)	9.5" (24.1cm)	7lbs (3kg)	9.00" x 9.00" (23cm x 23cm)	—	N/A	N/A	N/A	N/A	N/A	N/A
UNDERCOUNTER SINKS, WATER STATIONS AND ICE STORAGE													
242	UC sink & faucet	18" (45.7cm)	13.5" (34.3cm)	12.75" (32.4cm)	20lbs (9kg)	17" x 12.5" (43.2cm x 31.8cm)	—	N/A	N/A	N/A	N/A	N/A	N/A
250	UC sink, ice chest and water station	46" (116.8cm)	14.06" (36cm)	22.75" (57.8cm)	81lbs (37kg)	45" x 13" (114.3cm x 33.0cm)	45lbs (20kg)	N/A	N/A	N/A	N/A	N/A	N/A

Installation - Models N225, N225L, N227 And N227L

Location

Units in this manual are intended for indoor use only. The refrigeration system has been factory tested and should require no further adjustment during installation.

For the most efficient refrigeration, be sure to provide good air circulation inside and outside the unit.

Outside Cabinet: Be sure that the unit has access to ample air. Avoid hot corners and locations near stoves and ovens.

Counter Cutouts

For installation provide a cutout in the counter as shown (see illustration 1 or 2). The counter must be sturdy enough to hold the combined weight up to 300 pounds of the drop-in and the product stored inside.

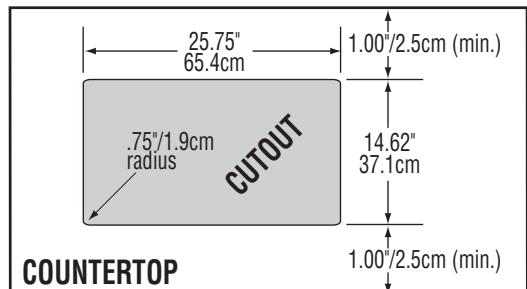


Illustration 1. Model N225 & N225L cutout dimensions

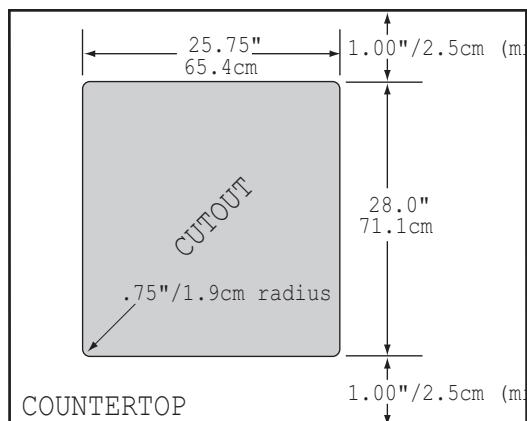
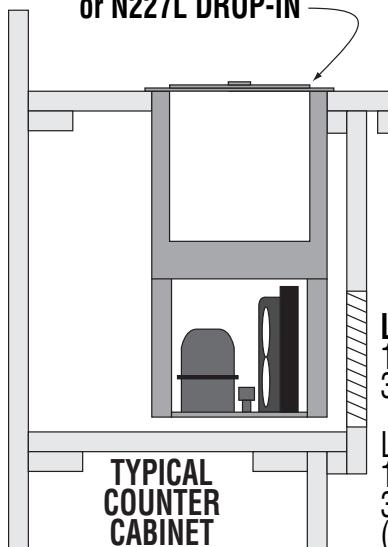


Illustration 2. Model N227 & N227L cutout dimensions



The louver provided must be installed in front of the condensing unit's finned coil (see illustration 3). A second cutout must be made at the rear or end of the equipment to allow air flow through the unit. No louver is provided for the second cutout. Any restriction to the proper air flow, total or partial, will void the compressor warranty.

N225 N225L N227 or N227L DROP-IN



LOUVER
13.00" x 25.00"
33.0cm x 63.5cm

LOUVER CUTOUT SIZE
12.00" x 23.50"
30.5cm x 59.7cm
(typical installation)

NOTE: A second cutout (without louver) must also be made to allow proper air flow.

Illustration 3. N225 N225L N227 & N227L louver installation

Electrical Connection

Refer to the amperage data, the serial tag, your local code or the National Electrical Code to be sure the unit is connected to the proper power source. A protected circuit of the correct voltage and amperage must be run for connection of the line cord.

If the unit does not operate after it is plugged in, check the thermostat to see if it was inadvertently turned **OFF** during installation.



The unit must be disconnected from the power source whenever performing service or maintenance functions.



Installation - Models 203, 204, 204P, 240, 242, 248, 250, 305 And 307

Location

Units in this manual are intended for indoor use only.

Avoid hot corners and locations near stoves and ovens.

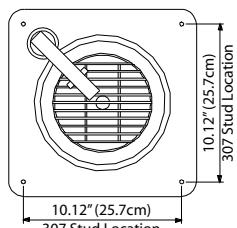
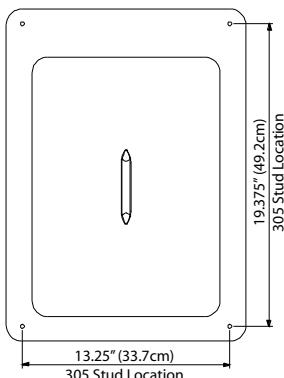
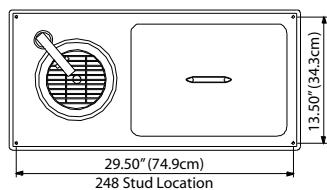
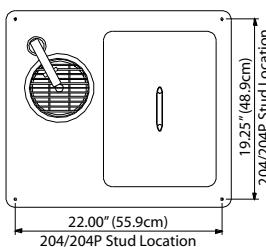
Counter Cutouts

For installation, provide a cutout in the counter sized according to the chart below. The counter must be sturdy enough to hold the combined weight up to 300 pounds of the drop-in and the product stored inside.

Model	Cutout Size	Mounting Studs	1/2" IPS Water Hookup	Drain
203	ice chest	19.25" x 19.25" (48.9cm x 48.9cm)	N/A	N/A
204	water and ice station	21" x 17.75" (53.3cm x 45.1cm)	4	1
204P	water and ice station	21" x 17.75" (53.3cm x 45.1cm)	4	1
240	ice chest with cover	N/A	N/A	(1) 1"
242	UC sink & faucet	17" x 12.5" (43.2cm x 31.8cm)	N/A	2
248	water and ice station	28" x 12.5" (71.1cm x 31.8cm)	4	1
250	UC sink, ice chest and water station	45" x 13" (114.3cm x 33.0cm)	N/A	3
305	ice chest with cover	12.5" x 17.75" (31.8cm x 45.1cm)	4	N/A
307	glass filler	9.00" x 9.00" (23cm x 23cm)	4	1

Mounting Studs

Equipment with mounting studs are pictured below. Mark the stud locations according to the measurements or place the equipment in the cutout to mark the stud locations. Drill 0.37" (1.0cm) diameter holes through the counter for the studs.



Drain

Provided 1" (2.5cm) drain, nut and washer must be field installed to an appropriate container or floor drain following local code requirements. Sinks come standard with 1-1/2" basket strainer assemblies.

Water Connection

All 1/2" (1.3cm) IPS water inlets must be field connected following local code requirements.

Operation - Models N225, N225L, N227 And N227L

After installation, the unit will begin operating simply by plugging it into the proper outlet. If the unit does not operate after being plugged in, check to see if the thermostat is in the **OFF** position.

The models 225 and 227 are designed to hold frozen products at a temperature range of 5°F to -5°F (-15°C to -21°C). The thermostat is located in the machine compartment.

Maintenance - Models N225, N225L, N227 And N227L

In order to maintain proper refrigeration performance, the condenser fins must be cleaned of dust, dirt and grease every three months. If conditions are such that the condenser is totally blocked in three months, the frequency of cleaning should be increased.

Clean the condenser with a vacuum cleaner or stiff brush. If extremely dirty, a commercially available condenser cleaner may be required.

Defrosting must be done manually after 3/8" of ice accumulation. To defrost disconnect power to the equipment or turn the thermostat knob to the **OFF** position.

The lid should be cleaned regularly with a soft cloth or sponge and solution of soap and water to maintain its ability to seal properly.

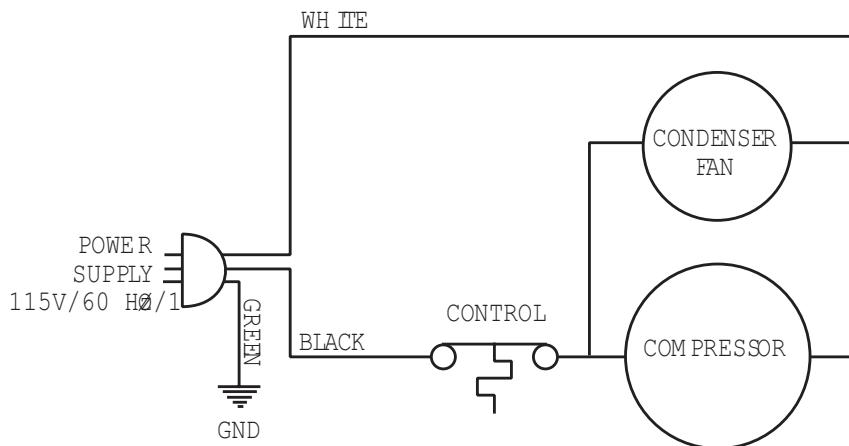
Maintenance - Models 203, 204, 204P, 240, 242, 248, 250, 305 And 307

The interior and exterior of these models may be cleaned using soap and warm water. If this is not sufficient, try ammonia and water or a non-abrasive cleaner. Be sure to rinse thoroughly with clean water after using ammonia or a cleaner. When cleaning the exterior, always rub with the "grain" of the stainless steel to avoid marring the finish.

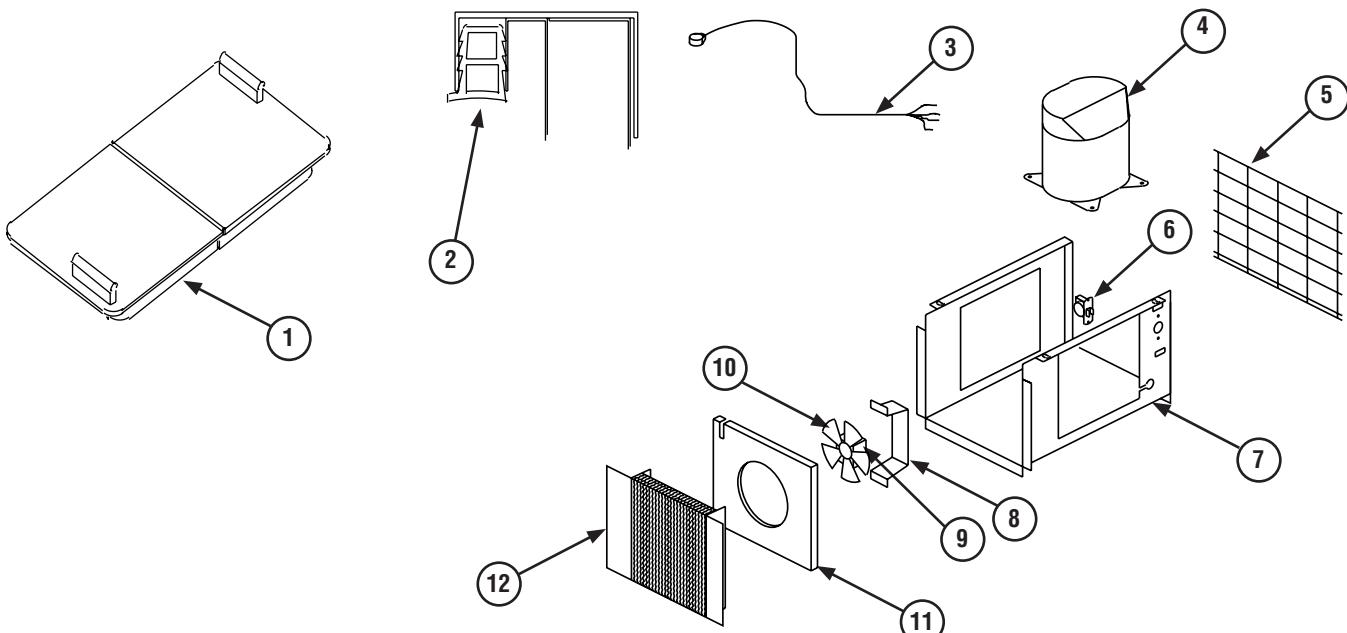


Do not use an abrasive cleaner. Abrasive cleaners will scratch the stainless steel and plastic.

Wiring Diagram - Models N225, N225L, N227 And N227L



Replacement Parts - Models N225, N225L, N227 And N227L



Key	Part No.	Description
1	3234188	Cover (solid)
	3234189	Cover (see-through)
2	1701273	Trim gasket
3	2183349	Harness, power cord
4	3526996	227 Compressor, 1/5 H.P. (404A)
	3526997	225 Compressor, 1/5 H.P. (404A)
5	3977986	Wire fan guard
6	3516047	Temperature control
7	024-ADB-0040	Compressor stand
8	031-264-0000	Fan motor bracket

Key	Part No.	Description
9	2162691	Fan motor
10	3516172	Fan blade
11	026-ANM-0030	Fan baffle
12	3516067	Condensing coil
-	3516287	High pressure switch
-	3516191	Filter dryer
-	2194787	Start capacitor
-	3516446	Compressor relay
-	359-411-0003	Louvered panel (cutout 12" x 23.5")
-	Purchase locally	Capillary tube, .031" i.d. 120"

Replacement Parts

Model 203

000-AU0-0030	Removable lid with handle
3234110	Lid handle
9321011	Lid handle screw
3234242	Drain



Models 204 And 204P

3234088	Glass filler 9.5" high, max. ht glass 8"
3234303	Pitcher filler 13.5" high, max. ht pitcher 12"
3234242	Drain (ice chest and water filler)
000-AU0-0030	Removable lid with handle
3234110	Lid handle
9321011	Lid handle screw
3977953	Guard



Model 240

000-AU0-0001	Removable lid
3234110	Lid handle
9321011	Lid handle screws
3234242	Drain



Model 242

3234007	Basket Strainer
3234076	Faucet



Model 248

3977953	Guard
3234088	Glass filler
3234242	Drain
000-AU0-0030	Removable lid
3234110	Lid handle
9321011	Lid handle screw



Model 250

3234007	Basket strainer
3234076	Faucet
000-AU0-0030	Removable lid
3234110	Lid handle
9321011	Lid handle screw
3234088	Glass filler
3234242	Drain
3977953	Guard



Model 305

3234242	Drain
000-AU0-0030	Removable lid
3234110	Lid handle
9321011	Lid handle screw



Model 307

3234088	Glass filler 9.5" high, max. ht glass 8"
3977953	Guard
3234242	Drain



Standard Labor Guidelines To Repair Or Replace Parts On Delfield Equipment

Advice and recommendations given by Delfield Service Technicians do not constitute or guarantee any special coverage.

- A maximum of 1-hour is allowed to **diagnose a defective component**.
- A maximum of 1-hour is allowed for **retrieval of parts** not in stock.
- A maximum **travel distance** of 100 miles round trip and 2-hours will be reimbursed.
- Overtime, installation/start-up, normal control adjustments, general maintenance, glass breakage, freight damage, and/or correcting and end-user installation error will not be reimbursed under warranty unless pre-approved with a **Service Work Authorization** from Delfield. You must submit the number with the service claim.

Labor Of 1-Hour Is Allowed To Replace:

- Compressor Start Components and Overload Protector
- Thermostat
- Condenser Fan Motor and Blade

Labor Of 2 Hours To Replace:

- Locate/Repair Leak
- High Pressure Switch

Labor Of 3 Hours To Replace:

- Condenser Coil
- Capillary Tubing

Labor Of 4 Hours To Replace:

- Compressor

This includes recovery of refrigerant and leak check.

\$55.00 maximum reimbursement for refrigerant recovery (includes recovery machine, pump, torch, oil, flux, minor fittings, solder, brazing rod, nitrogen, or similar fees.)

Refrigerants:

- R404A A maximum of \$15.00/lb. or \$1.00/oz. will be reimbursed.



Mt. Pleasant, MI



Covington, TN

Thank you for choosing Delfield!

Help is a phone call away. Help our team of professional, courteous customer service reps by having your model number and serial number available at the time of your call (800) 733-8829.

Model: _____ S/N: _____

Installation Date: _____



For a list of Delfield's authorized parts depots, visit our website at www.delfield.com

Register your Delfield warranty online. Go to www.delfield.com under the service tab to complete.



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